

9 Isaac Street Norwalk, CT 06850

Phone: 203-853-9792 Fax: 203-853-0273 www.brooksenviro.com

PRE-DEMOLITION LEAD PAINT INVESTIGATION

Abandoned House 33 Rte 37 New Fairfield, Connecticut

May 9, 2016

CONTENTS

Title/Description	# pages
Narrative summary	1
Sample logs and laboratory reports	7

Brooks Environmental Consulting was contracted by the Town of New Fairfield, Connecticut to determine if debris from a planned demolition of the abandoned house at 33 Route 37, New Fairfield, CT would require disposal as hazardous waste because of lead paint. The investigation was carried out by Mark Granville on April 19, 2016.

The building is of typical wood construction with sheetrock and plaster walls and ceilings.

A composite sample of the building's materials was subjected to the toxic characteristic leaching process (TCLP) following method 2c (composite-sample, demolish) in the State Department of Environmental Protection document (DEP) "Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries". Sample log and laboratory report are attached to the end of this report.

The sample yielded less than the 5.0 mg/L by TCLP limit for hazardous waste. According to the DEP guidance document, demolition debris may be disposed as solid waste.



Wednesday, April 27, 2016

Attn: Mr. Mike Zubarev

Brooks Environmental Consulting, LLC

9 Isaac Street

Norwalk, CT 06850

Project ID:

MG160018

Sample ID#s: BN18411

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Laboratory Director

NELAC - #NY11301

CT Lab Registration #PH-0618

MA Lab Registration #MA-CT-007

ME Lab Registration #CT-007

NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003

NY Lab Registration #11301

PA Lab Registration #68-03530

RI Lab Registration #63

VT Lab Registration #VT11301



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 27, 2016

FOR: Attn: Mr. Mike Zubarev

Brooks Environmental Consulting, LLC

9 Isaac Street Norwalk, CT 06850

Sample Information **Custody Information** Date Time Matrix: SOLID Collected by: MG 04/19/16 16:00 **BROOKS** Received by: LK 04/22/16 12:51 Location Code:

Rush Request: 72 Hour Analyzed by: see "By" below

<u>Laboratory Data</u>

SDG ID: GBN18411

Phoenix ID: BN18411

Project ID: MG160018

Client ID: 1

P.O.#:

RL/ Parameter Result PQL Units Dilution Date/Time By Reference SW6010C < 0.10 0.10 1 04/25/16 TCLP Lead mg/L EK 04/25/16 SW3005A **TCLP Metals Digestion** Completed W/W TCLP Extraction for Metals Completed 04/22/16 W SW1311

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200. This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

April 27, 2016

Reviewed and Released by: Maryam Taylor, Project Manager

Page 1 of 1 Ver 1



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 27, 2016

QA/QC Data

SDG I.D.: GBN18411

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 343074 (mg/L), QC Sample No: BN18027 (BN18411)													
ICP Metals - TCLP Extraction													
Lead	BRL	0.10	0.43	0.44	NC	85.6			106			75 - 125	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

April 27, 2016

Wednesday, April 27, 2016

Sample Criteria Exceedences Report GBN18411 - BROOKS

edences Report Page 1 of 1

Criteria: None State: CT

SampNo Acode Phoenix Analyte

Criteria

Pocult

L Crite

Analysis a Units

RL

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

^{***} No Data to Display ***

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name:		ame:	Phoenix Environmental Labs, Inc.			Client:	Client: Broo			oks Environmental Consulting,				
Project Location: MG160018 Project Number:														
Laboratory Sample ID(s): BN18411														
Sampling Date(s): 4/19/2016														
RCP	Methods	Used	:											
V 13	☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☐ 7470/7471 ☐ 8081									☐ EPH	☐ TO15			
□ 80	82	815	1	8260	8270		ETPH	9010/901	2	☐ VPH				
1. For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents? ✓ Yes □ No														
1a.	1a. Were the method specified preservation and holding time requirements met? ✓ Yes □ No													
1b.	EPH and significant	VPH m modifi	ethods cations	only: Was s (see secti	s the VPH or E on 11.3 of res	PH me	thod condu RCP meth	ucted without ods)		☐ Yes	□No	☑ NA		
	Were all s described	amples on the	s recei assoc	ved by the lated Chair	laboratory in a n-of-Custody d	condit ocume	ion consistent(s)?	ent with that		✓ Yes	□ No			
3.	Were sam	nples re	ceive	l at an appr	ropriate tempe	rature	(< 6 Degree	es C)?		☐ Yes	✓ No	□NA		
4.	Were all 0 Protocol d				ria specified in	n the R	easonable	Confidence	· .	✓ Yes	□ No			
5a.	Were repo	orting li	mits sp	pecified or r	referenced on	the cha	ain-of-custo	dy?		□ Yes	✓ No			
5b.	Were thes	se repo	rting li	mits met?				- 11-	7.	☐ Yes	□No	☑ NA		
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?									□NA				
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set									☐ Yes	✓ No	□NA		
Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".														
I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.														
				-1-	-			Date: V	Vedne	esday, Apı	ril 27, 20	16		
	norized nature:			Malail	Nov		Print	ed Name: N	<i>l</i> laryar	n Taylor				
Position: Project										ct Manager				



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

April 27, 2016 SDG I.D.: GBN18411

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list.

Temperature above 6C:

The samples were received at 21C. No significant bias is suspected.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 04/25/16 10:41

Emily Kolominskaya, Chemist 04/25/16

BN18411

The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 343074 (BN18027)

BN18411

All LCS recoveries were within 75 - 125 with the following exceptions: None.

Temperature Narration

The samples were received at 21C with cooling initiated. (Note acceptance criteria is above freezing up to 6°C)

Coder: Yes No K	This section MUST be completed with Bottle Quantities.	Togital tag tag tog	SON TO SOLITION TO			Data Format Excel X PDF GISKey EQuIS	Other Data Package The II Checklist Full Data Package* X Phoenix Std Report Other	* SURCHARGE APPLIES
	Project P.O:					MA MCP Certification GW-1 GW-2		acted: CT
	S S S					Exposure dential)	GA Mobility GB Mobility Residential DEC UC DEC Other	State where samples were collected:
CHAIN OF CUSTODY RECORD 587 East Middle Tumpike, P.O. Box 370, Manchester, CT 06040 Email: info@ploenixlabs.com Fex (860) 645-0823 Client Services (860) 645-8726	tto: Mark Granville tto: Gloria Vargas tt: 203-853-9792 203-853-0273	alysis squest				Time: Bi Direct Resk CResk CResk	Day of the state o	EAPPLES
CHAIN OF TEST Middle Tump Email: into@puse Client Se	Project: Report to: Invoke to: Phone #: Fax #:	- all	1/2			Dath:	Tumaround; 1 Day 2 Days*	- SURCHA
1,400	sulting LLC	ation H/19/ Date: 4/19/ ther WW-Waste Wationid W=Wipe	Date Sampled			3		
X Sylven	Brooks Environmental Consul 9 Isaac Street Norwalk, CT 06850	Sampler's Mild M.	Customer Sample Sample Identification Matrix			(MOLGET F	ts or Regulations:	
PHOEINIX FR. Francisco Inc.	Customer: Brooks Envir Address: 9 Isaac Street Norwalk, CT	Sampler's Middle M. A.	SE ONLY			anacie.	Comments, Special Requirements or Regulations:	
English	Cust	Sampler's Signature Matrix Code: DW-Drinking RW-Raw Wa OIL-OII BEE	SAME 1841			Relinquis 11/a L.C	Commen	